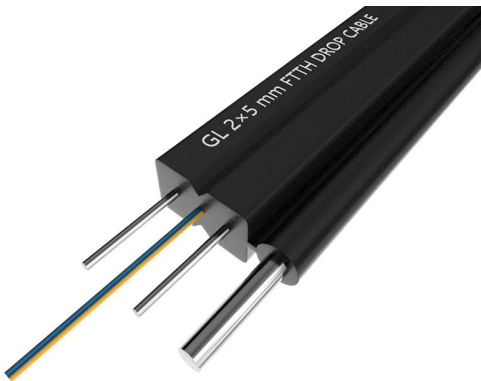


## FTTH DROP OPTIC FIBER CABLE

### 1、 Introduction of fiber optical fibers

The typical bow-type drop optical cable includes central optical fibers with 2 steel wire as the strength members placed on both sides, steel as messenger wire, a LSZH sheath is extruded outside.

### 2、 Cable Cross -Section



### 3、 Fiber Optical

Fiber count	4
Color of fiber	Blue Orange Green Brown
Fiber Type	G657A2
Strength member	Steel wire
Supporting messenger wire	1.0MM*x1 steel wire
Outer sheath	LSZH Lower smoke zero halogen flame retardant & UV Anti
Cable Diameter dimensions	2.0( Height) × 5.0W ± 0.1 mm(width)
Operation temperature range	-20 °C to + 70 °C
Installation temperature range	-20 °C to + 60 °C
Transport and storage temperature range	-20 °C to + 70 °C
Tension Load (N)	Short term :800N Long term :500N
Crush Load(N)	Long term 1000 N/100mm Short term:2200N/100mm
Minimal installation bending radius	30 x OD
Minimal operation bending radius	15 x OD
Cable marking	The marking length 1meter apart , as required

#### 4、G657A2 fiber

Category	Description		G657A2/B2	
			Standard	
Optical transmission performance	Attenuation coefficient	1310nm	≤0.35	
		1383nm	≤0.35	
		1550nm	≤0.21	
		1625nm	≤0.23	
	Attenuation inhomogeneity	1310nm、1550nm		≤0.05
	Attenuation discontinuity	1310nm、1550nm		≤0.05
	Wavelength attenuation characteristics	1288~1330nm		≤0.05
		1525~1575nm		≤0.05
	Dispersion characteristic	The zero dispersion wavelength nm		1300~1324
		Zero dispersion slope		≤0.092
		1288~1339nm		≤3.5
		1271~1360nm		≤5.3
		1550nm		≤18
		1625nm		≤22
	The polarization mode dispersion of the fiber			≤0.1
	Fiber cutoff wavelength			≤1260
	Macro bending loss (10 laps, 30mm)	1550nm		≤0.03
		1625nm		≤0.1
		1550nm	(1 lap, 20mm)	≤0.1
		1625nm	(1 lap, 20mm)	≤0.2
1550nm		(1 lap, 15mm)	≤0.5	
1625nm		(1 lap, 15mm)	≤1.0	
Mode field diameter		1310nm	8.6±0.4	
dimension parameter		Warp degrees		≥4.0
	Cladding diameter		125 ± 0.7	
	Core/package concentricity		≤0.5	
	Cladding non-circularity		≤1.0%	
	Coating diameter		243± 5	
	Coating concentricity		≤8	
	Coating roundness		≤3%	
mechanical property	Strain		≥1.05%	
	Tensile strength(10m)	15% Weber fracture probability	2.76	
		50% Weber fracture probability	3.45	
	Fatigue parameters Nd		≥ 22	
	Coating peak stripping force N		1.0~8.9	
	Coating average stripping force N		1.0~5.0	

Environmental performance	Additional damping temperature cycle (-60°C ~ +85°C) dB/km@1310nm, 1550nm, 1625 nm	≤ 0.05
	Wet and heat aging (+85±2°C, 85%RH, 30 days) dB/km@1310nm, 1550nm, 1625 nm	≤ 0.05
	High temperature aging(85±2°C, 30 days ) dB/km @1310nm, 1550 nm, 1625 nm	≤ 0.05
	Additional attenuation of flooding (23±2°C, 30 days ) dB/km @1310nm, 1550 nm, 1625 nm	≤ 0.05

## 5、 Package

Item	Index
Length and packaging	2000m/plywood reel
Plywood reel size	360*340*360mm
Net weight	39kg/km
Gross weight	41kg/box
Packaging details	See the picture below

1)



2)



3)



-----End -----